

Blood Pressure Monitor

**Advanced Technology
Measures While Inflating**

**Instruction
Manual**

Model Number 1095

ID #08/01

Requires 4 “AAA” Alkaline Batteries

2
YEAR

LIMITED WARRANTY

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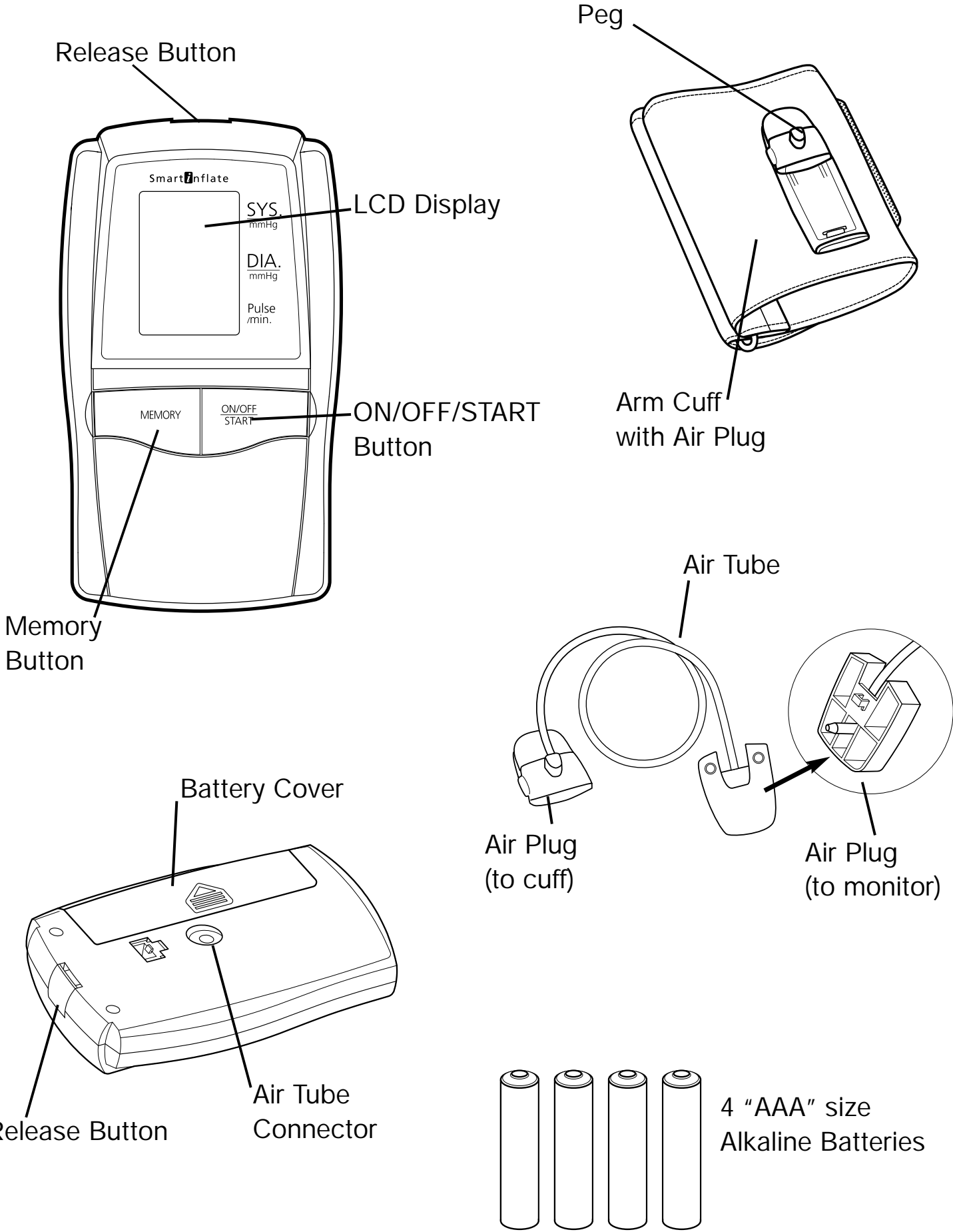
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Identification of Parts



SmartInflate Technology

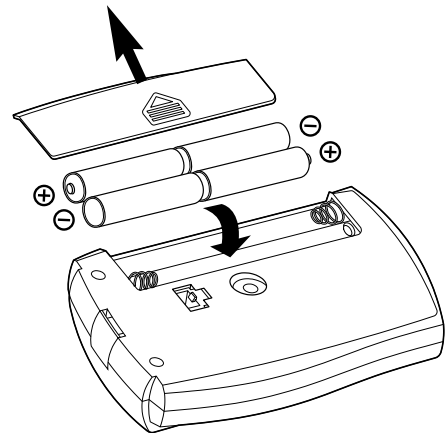
Thank you for purchasing the Lumiscope™ 1095 Comfort Line Blood Pressure Monitor. A state of the art line of blood pressure monitors that MEASURE ON INFLATION UP TO TWICE AS FAST as traditional monitors, thus eliminating the pain and discomfort commonly felt with traditional styles.

SmartInflate Technology measures the Diastolic (low) pressure first and Systolic (high) pressure last by adjusting the amount of pressure during the measurement based on arm size and normal blood pressure fluctuations. Unlike the traditional oscillometric measurement process that first pressurizes the cuff then slowly releases the air from the cuff to record a measurement.

SmartInflate Technology eliminates errors caused by users movement during measurement. The Diastolic pressure is taken in a practically natural state, without any arterial compression and the Systolic pressure is taken with minimal arterial compression, resulting in more accurate measurements, reduced measurement time and without pain or discomfort.

Battery Installation/Replacement

- To use the unit, you must install batteries.
- Open battery cover and slide back as illustrated. Install or replace four new batteries, making sure the polarities (+ and -) on the battery match the polarities on the case.
- Replace battery cover.
- Replace the batteries if:
 - the Low Battery indicator " " appears on the display.
 - the ON/OFF/START button is pressed and nothing appears on the display.
- "AAA" alkaline batteries or equivalent are recommended for this blood pressure meter.

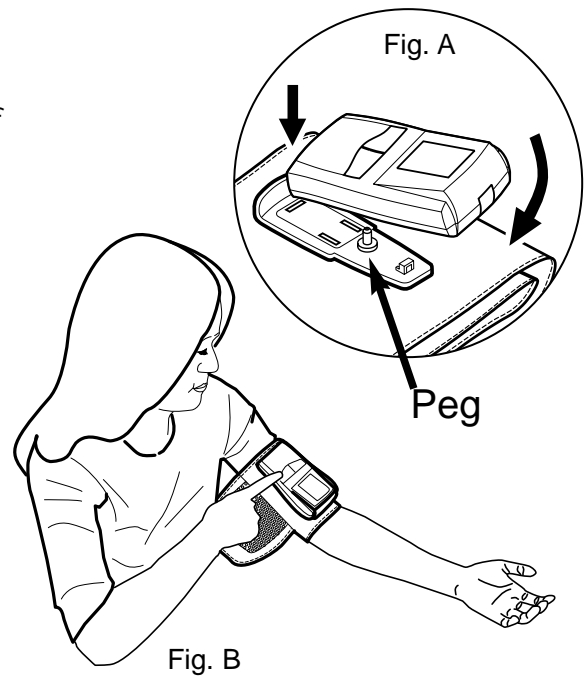


The 1095 can be used either attached to the cuff or as a tabletop monitor with the enclosed airtube attachment.

Preparing to Use the Monitor

Using the Monitor Attached to the Arm Cuff

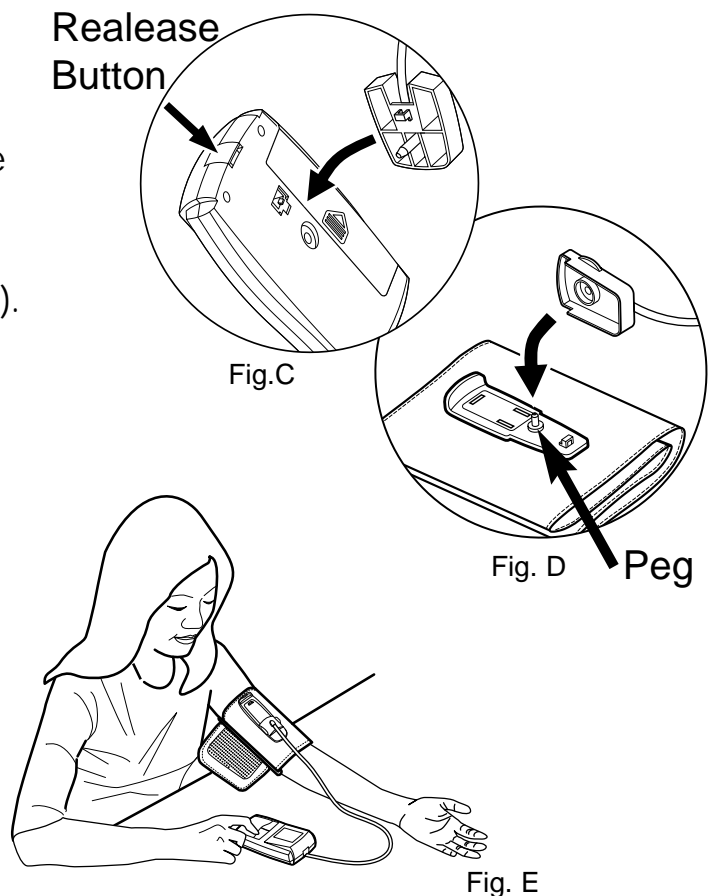
- Angle the bottom of the monitor against the raised part of the plastic piece on the cuff (fig. A).
- Line up the holes on the back of the monitor with the pegs on the plastic piece of the cuff.
- Push the monitor onto the cuff and make sure it is securely fastened.
- Now you can use the monitor while it is attached to the cuff (fig. B).



Using as a Tabletop Monitor

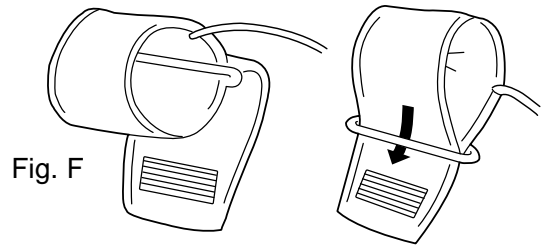
- To release the monitor from the cuff, press and hold the release button on top of the monitor and pull the monitor away from the cuff.
- Connect the monitor end of the air tube to the holes on the back of the monitor (fig. C).
- Connect the cuff end of the air tube to the peg on the plastic piece of the cuff (fig. D). Push the connection into the cuff until you hear a clicking sound.
- Now you can use the monitor as a desktop unit (fig. E).

NOTE: To detach the air tube from the main unit, simply press and hold the release button while pulling the tube connection away from the unit.

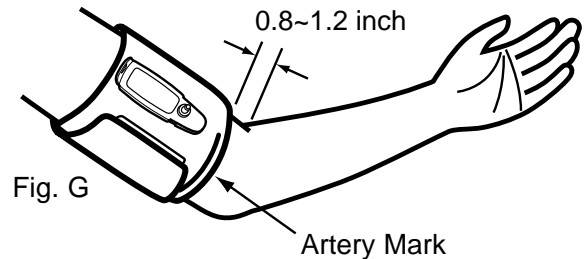


Attaching of Arm Cuff and Posture During Measurement

Unfasten and open the cuff as shown in the figure, leaving the "Index" end of the cuff through the "D" ring (fig. F).



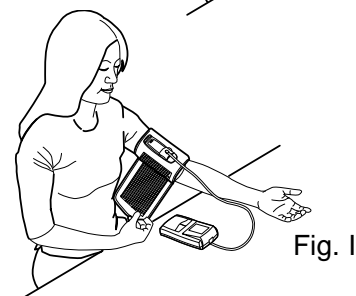
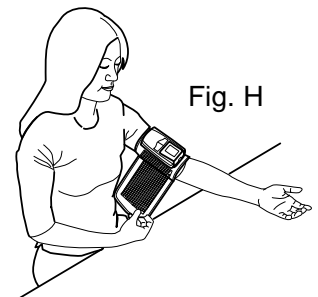
Wrap the arm cuff around the upper left arm firmly so that bottom edge of the cuff is positioned about one inch above the elbow joint. Position the cuff so that the artery mark is in the middle of the arm, in line with the middle finger (fig. E).



- Wrap the cuff as close to the skin as possible.

(Do NOT roll shirts or jackets up over the arm when taking a measurement. This will constrict the upper arm and prevent accurate measurement.)

- When using the monitor attached to the cuff, the monitor and artery mark should be on the inside of your arm (fig. H).
- When using the monitor as a tabletop unit, the cuff tube should be placed on the inside of your arm (fig. I).
- Make sure that the cuff is fastened firmly. Note that wrapping the cuff unevenly will prevent proper measurement.



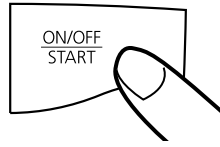
Rest left elbow on a table so that the cuff is at heart level. Relax the lower arm across the table and remain still. Perform measurements in either a seated or reclining posture with the left palm turned upward.

Fits Arm Circumference: 8.66 to 12.6 inches

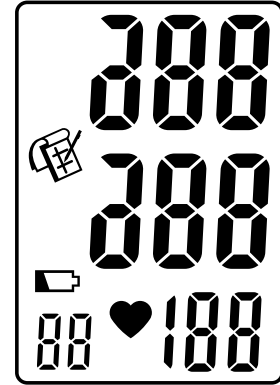
NOTE: If the Index line falls within the OK range (indicated along the upper edge of the cuff) this cuff is suitable for your use. If the Index line falls out of the OK range, contact the Lumiscope Service Dept. for an Oversize cuff. (model # 109-235)

Measurement

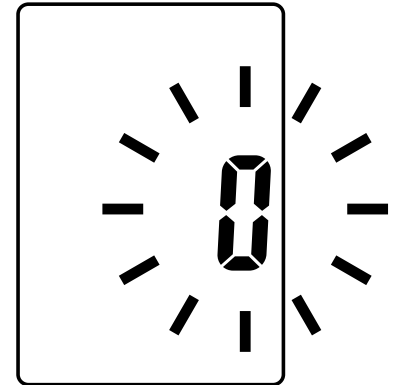
- Press the "ON/OFF/START" button.



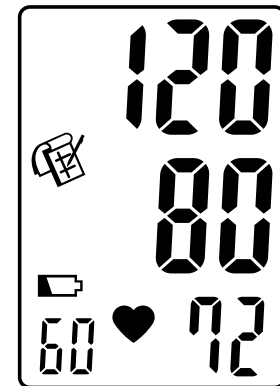
- All display symbols will appear for approximately one second before the display returns to "0".



- The unit will automatically start to inflate slowly, measuring your blood pressure. During inflation, the changing values of the cuff pressure will be shown on the display. These numbers are for reference only and do not represent your final Blood Pressure reading.



- When the pressure reaches your systolic blood pressure, the monitor will exhaust cuff pressure. When the monitor completes the measurement cycle, it will automatically display the systolic, diastolic and pulse readings.



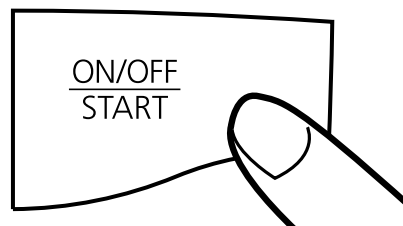
- After the measurement value is displayed, press the ON/OFF/START button to turn the monitor off.

Subsequent Measurement

When a second measurement needs to be made, the time between two measurements should be at least ten minutes.

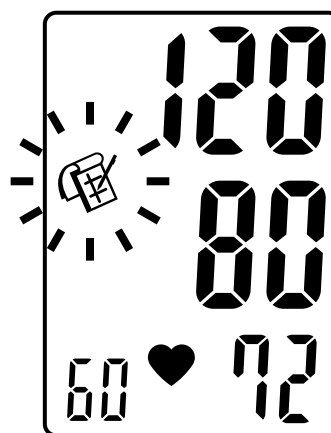
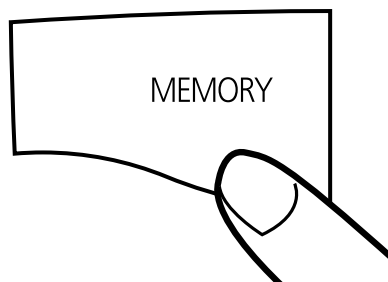
Automatic Power OFF Function

If unit is left on after measurement, an "Automatic Power-OFF Function" turns the power off after approximately one minute. To continue with another measurement press the "ON/OFF/START" switch to turn the unit on.



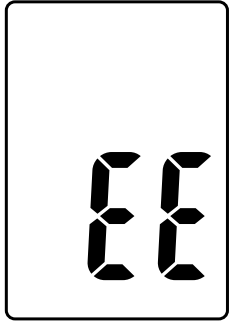
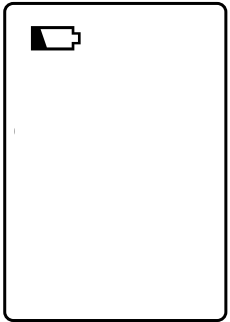
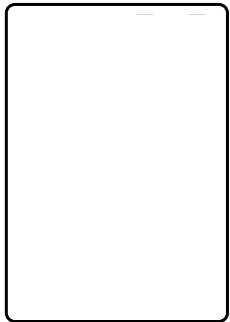
Memory Recall Function

- Stores the last sixty readings in sequential order (1-60). When sixty-first reading is taken, the oldest recorded measurement (1) is deleted.
- Press MEMORY to recall the last measured blood pressure reading.
- Each time you press the MEMORY button it will recall the next previous set of readings.
- The memory function does not work during automatic inflation or while blood pressure measurements are being made.
- All readings stored in memory will be displayed with its sequence number.





NOTE: All memories will be deleted when batteries are replaced.

Description of Display Marks

| DISPLAY MARK | CONDITION/CAUSE | CORRECTIVE ACTION |
|---|--|---|
|  | Blood pressure could not be measured accurately. | Exhaust all air from the cuff. Reapply the cuff properly. Repeat measurement. |
|  | Batteries are weak. | Replace the batteries. |
|  | Device malfunction. | Return to Lumiscope™ Service Department. |

Specifications

| | | | |
|--------------------------|-------------|--|----------|
| Model No. | | 1095 | |
| Measuring Principle | | Oscillometric Method | |
| Measurement Localization | | Left Upper Arm | |
| Cuff | | Soft Cuff | |
| Arm Circumference Range | | 8.66 to 12.6in (22 to 32 cm) | |
| Measurement Range | Pressure | 20 to 280 mmHg | |
| | Pulse | 40 to 180 Pulses/min. | |
| Accuracy | Pressure | ±3 mmHg | |
| | Pulse | ±5% of reading | |
| LCD Indication | Pressure | Systolic blood pressure: | 3 digits |
| | Pulse Rate | Diastolic blood pressure: | 3 digits |
| | | Pulse rate: | 3 digits |
| | | Alternatively | |
| | | <div> <div>Pulse Rate</div> <div>Battery</div> <div>   </div> </div> | |
| Switch | | "ON/OFF/START" and "MEMORY" button | |
| Inflation | | Pump Driven | |
| Exhaust | | Electromagnetic Valve | |
| Power Source | | 4 "AAA" Size Batteries (Alkaline) | |
| Power Consumption | | 3W | |
| Battery Life | | Approx. 700 times (170mmHg, 1time/day) | |
| Automatic Power-Off | | Approx. 1 min. after last measurement | |
| Memory Function | | 60 Memories | |
| Dimension | | 2.9(W) x 5.12(D) x 1.32(H)in (73(W) x 128(D) x 33(H)mm) | |
| Weight | | Approx. 10.6 oz. (300g) (excludes battery) | |
| Operating Environment | Temperature | 50 to 104°F (10 to 40°C) | |
| | Humidity | 40 to 85%RH | |
| Storage Environment | Temperature | 23 to 140°F (-5 to 60°C) | |
| | Humidity | 10 to 95%RH | |

Two Year Limited Warranty

The Lumiscope™ Company, Inc., guarantees this product free from defects in material and workmanship for a period of two years from the date of purchase, except as noted below:

This Lumiscope™ product warranty does not cover damage caused by misuse or abuse; the attachment of any unauthorized accessory; alteration to the product; or any other conditions whatsoever that are beyond the control of the Lumiscope™ Company, Inc. Lumiscope™ shall not be responsible for any type of incidental, consequential, or special damage. All implied warranties, including, but not limited to those implied warranties of fitness and merchantability, are limited in the total duration of two years from the original date of purchase.

To obtain warranty service on your Lumiscope™ Blood Pressure Meter either hand deliver or mail the entire unit and your dated sales receipt (as proof of purchase), postpaid, along with a certified check or money order in the amount of \$15.00 payable to The Lumiscope™ Company, Inc., to cover handling.

Upon receipt Lumiscope™ will repair or replace, as appropriate, Blood Pressure Meter, and return to you. Warranty is solely through Lumiscope™ Repair Department. Service of this product by anyone other than Lumiscope™ Repair Department voids warranty.

In the event that Lumiscope™ does not abide the terms of this warranty the consumer may seek breach of contract remedies in the New York State Federal courts of law. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

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LIMITED WARRANTY

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